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TITLE: INVERTER CONTROLLER FOR PHOTOVOLTAIC POWER
GENERATION

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INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To secure extraction of the electric power equivalent to the maximum

level out of a solar battery even in case a maximum power control circuit has an abnormal state, by setting the automatic and manual control modes alternately for operation and comparing the electric energy between both control modes.

CONSTITUTION: A comparator 31 detects that the voltage of a solar battery 1 gets out of a prescribed set level in an automatic control operation mode where the inverter input voltage is controlled automatically by a maximum voltage control circuit 14. As a result, timers 32a~32c are actuated and the electric power of the automatic control mode is integrated by a power integration circuit 33 and stored in a memory circuit 37a. Then a switch circuit 20a is turned off by the output of the timer 32b together with a switch circuit 20b turned on respectively. Thus the electric power of a manual

control mode is integrated and stored in a memory circuit 37b. Then a comparator 38 compares the electric power between both memories 37a and 37b and deliver '1' if the electric power of the manual control mode is larger than that of the automatic control mode. Then the circuit 20b is turned on to perform an operation in a manual control mode.

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